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Statistical Bulletin No. 6 of 1961

COMMONWEALTH BUREAU OF CENSUS AND STATISTICS
MACHINERY ON RURAL HOLDINGS

In reply quote No.

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SOUTH AUSTRALIA

MARCH 1960

SCOPE

This bulletin gives details of machinery in use on rural holdings in South Australia (excluding obsolete machines and those unlikely to be used again).

The first table shows trends in numbers of machines and implements in the State since 1950, and is followed by particulars of machinery in counties and divisions at March, 1960. Additional information relating to tractors is shown in Tables 3 and 4.

FARM MACHINERY

In the past decade, the numbers of tractors, fertilizer distributors and shearing machines on rural holdings have more than doubled, whilst rotary hoes and hay balers have more than trebled in number.

TABLE 1. - MACHINERY IN USE ON FARMS: SOUTH AUSTRALIA, MARCH, 1950
AND 1957-60.

Type of Machine	1950	1957	1958	1959	1960
Tractors -					
Wheeled	11,184	22,826	(a) 24,100	(a) 25,342	25,774
Crawler	2,525	3,186	(a) 3,188	(a) 3,190	3,191
Rotary Hoes	1,108	3,414	3,507	4,015	4,106
Fertilizer Distributors	3,393	6,683	6,895	7,545	7,695
Grain Drills -					
Combine type	12,030	14,066	14,084	14,716	14,973
Other types	4,760	4,361	4,368	4,562	4,635
Headers, Strippers and Harvesters	13,605	13,030	13,024	13,053	13,006
Hay Presses (Stationary)	} 860	{ 796	689	715	700
Hay Balers (Pick-up)			2,184	2,732	2,941
Hay Rakes	6,722	N.A.	N.A.	6,060	N.A.
Mowers	5,028	N.A.	N.A.	8,313	N.A.
Potato Diggers	365	N.A.	N.A.	624	N.A.
Milking Machines -					
No. of Units. 1	400	1,388	1,356	1,389	1,403
2	2,133	3,633	3,790	3,877	3,878
3	1,092	1,217	1,179	1,182	1,190
4	434	668	679	729	721
5	73	115	110	105	110
6 and over	66	187	230	255	273
Total Machines	4,198	7,208	7,344	7,537	7,575
Total Units	10,447	16,740	17,206	17,777	17,920
Shearing Machines -					
No. of Stands. 1	2,384	4,596	4,628	4,842	4,884
2	3,498	6,432	6,867	7,085	7,166
3	552	1,136	1,224	1,241	1,299
4	214	341	369	404	400
5	63	72	68	87	90
6 and over	135	113	124	119	134
Total Machines	6,846	12,690	13,280	13,778	13,973
Total Stands	13,253	23,373	24,697	25,586	26,049

(a) Revised since previous issue

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MACHINERY IN COUNTIES

Numbers of rural holdings and of principal agricultural machines and implements in counties and statistical divisions are shown in the next two pages. These statistics give an indication of the relative importance of various farming activities in different parts of the State e.g. 52% of all milking machines but only 26% of all shearing machines are in the Central Division.

TABLE 2. - MACHINERY ON RURAL HOLDINGS: COUNTIES, SOUTH AUSTRALIA, MARCH 1960

County/STATISTICAL DIVISION	Rural Holdings	Tractors		Rotary Hoes	Drills & Combines	Fertilizer Distributors
		Wheel	Crawler			
Adelaide	5,307	2,649	593	1,409	916	1,164
Carnarvon	422	380	115	22	227	299
Eyre	508	353	29	14	373	51
Fergusson	891	1,269	137	100	1,160	200
Gawler	963	847	36	177	873	100
Hindmarsh	1,700	1,411	157	133	738	921
Light	1,585	1,238	53	163	1,048	316
Sturt	1,217	976	65	150	776	319
CENTRAL	12,593	9,123	1,185	2,168	6,111	3,370
Burra	231	196	38	17	181	41
Daly	1,003	1,315	47	127	1,301	175
Kimberley	65	46	16	2	33	3
Stanley	1,180	1,240	109	125	1,223	278
Victoria	945	940	74	199	919	158
LOWER NORTH	3,424	3,737	284	470	3,657	655
Dalhousie	372	326	44	30	279	32
Frome	617	580	85	113	594	83
Herbert	50	28	8	-	11	-
Newcastle	92	73	8	4	52	3
Other Counties	124	69	19	5	24	-
UPPER NORTH	1,255	1,076	164	152	960	118
Buckingham	602	644	82	67	481	404
Cardwell	165	200	46	15	170	105
Grey	1,945	1,245	94	160	495	764
MacDonnell	524	519	154	75	314	276
Robe	962	860	120	136	425	452
SOUTH EASTERN	4,198	3,468	496	453	1,885	2,001
Buxton	171	302	65	1	308	8
Dufferin	78	104	19	1	148	21
Flinders	555	749	170	150	746	343
Jervois	644	1,066	176	125	1,120	163
Kintore	39	51	6	-	70	10
Le Hunte	215	330	36	35	375	27
Musgrave	255	371	50	47	375	89
Robinson	236	338	82	12	409	33
Way	122	182	38	6	233	14
Other Counties	70	50	36	4	54	4
WESTERN	2,385	3,543	678	381	3,838	712
Albert	807	889	34	131	584	113
Alfred	734	813	24	83	552	83
Buccleuch	608	781	133	24	852	206
Chandos	436	551	50	59	550	102
Hamley	1,450	1,218	16	142	147	182
Russell	441	449	57	36	430	148
Young	53	56	10	5	40	5
MURRAY MALLEE	4,529	4,757	324	480	3,155	839
Outside of Counties	143	70	60	2	2	-
WHOLE STATE	28,527	25,774	3,191	4,106	19,608	7,695

Machinery on Rural Holdings in Counties, March, 1960 (Cont.)

County/STATISTICAL DIVISION	Harves- ters (a)	Hay Balers	Hay Presses	Milking Machines		Shearing Machines	
				Machines	Units	Machines	Stands
Adelaide	341	229	149	1,203	3,159	668	969
Carnarvon	135	41	22	105	197	290	548
Eyre	393	39	19	131	271	268	446
Fergusson	973	158	11	293	493	603	1,267
Gawler	669	143	10	294	630	501	793
Hindmarsh	282	254	93	884	2,381	641	1,082
Light	819	121	59	426	891	563	906
Sturt	447	133	42	393	1,317	501	887
CENTRAL	4,059	1,118	405	3,729	9,339	4,035	6,898
Burra	135	24	5	31	52	223	458
Daly	920	192	12	314	538	719	1,372
Kimberley	17	1	1	6	10	72	156
Stanley	849	216	36	421	776	798	1,462
Victoria	700	148	20	269	530	609	1,163
LOWER NORTH	2,621	581	74	1,041	1,906	2,421	4,611
Dalhousie	248	33	8	96	176	306	570
Frome	447	76	12	160	274	396	740
Herbert	3	-	1	2	3	54	123
Newcastle	53	3	6	9	3	79	164
Other Counties	19	-	-	-	11	176	402
UPPER NORTH	770	112	27	267	467	1,011	1,999
Buckingham	323	135	16	127	238	468	961
Cardwell	105	34	4	30	62	112	296
Grey	77	295	40	912	2,964	893	1,544
MacDonnell	160	75	20	114	259	366	758
Robe	150	133	23	288	645	693	1,346
SOUTH EASTERN	815	672	103	1,471	4,168	2,532	4,905
Buxton	223	9	1	24	31	129	226
Dufferin	105	1	-	4	6	79	151
Flinders	511	83	6	142	201	474	915
Jervois	769	61	11	151	216	571	988
Kintore	47	3	2	12	15	54	104
Le Hunte	240	8	1	48	75	170	304
Musgrave	257	40	4	32	41	217	472
Robinson	324	19	4	40	58	204	416
Way	182	-	-	20	32	134	230
Other Counties	39	-	-	5	14	102	248
WESTERN	2,697	224	29	478	689	2,134	4,054
Albert	376	18	8	52	98	266	473
Alfred	320	36	7	68	126	231	378
Buccleuch	634	48	14	146	272	472	806
Chandos	424	65	9	73	133	302	525
Hamley	12	7	6	38	66	48	88
Russell	263	54	17	207	645	235	430
Young	15	6	1	3	8	30	65
MURRAY MALLEE	2,044	234	62	587	1,348	1,584	2,765
Outside of Counties	-	-	-	2	3	256	817
WHOLE STATE	13,006	2,941	700	7,575	17,920	13,973	26,049

(a) Includes Headers and Strippers but excludes Forage Harvesters.

TRACTORS ON RURAL HOLDINGS

Detailed information concerning tractors on rural holdings was collected as at March, 1960 and the results are summarized in Tables 3 and 4 below. Table 3 shows classifications on a State basis and Table 4 information relating to Statistical Divisions.

TABLE 3. - TRACTORS ON RURAL HOLDINGS : SOUTH AUSTRALIA, MARCH 1960

A. CLASSIFIED BY HORSEPOWER AND TYPE OF FUEL USED

Type and Horsepower	Type of Fuel Used			Total
	Kerosene	Petrol	Diesel or Crude Oil	
<u>WHEELED</u>				
Up to 10	10	18	40	68
Over 10 and up to 20	758	83	22	863
" 20 " " " 40	10,091	2,883	3,025	15,999
" 40 " " " 55	2,104	21	6,368	8,493
Over 55	19	4	328	351
Total	12,982	3,009	9,783	25,774
<u>CRAWLER OR TRACK</u>				
Under 10	5	254	1	260
10 and under 35	833	58	550	1,441
35 " " 45	118	8	914	1,040
45 " " 61	5	1	228	234
61 and over	2	2	212	216
Total	963	323	1,905	3,191
TOTAL TRACTORS ON RURAL HOLDINGS	13,945	3,332	11,688	28,965

B. CLASSIFIED BY HORSEPOWER AND APPROXIMATE AGE IN YEARS

Type and Horsepower	Approximate Age of Tractor - Years				Total
	0 - 4	5 - 9	10-14	15 & Over	
<u>WHEELED</u>					
Up to 10	7	21	27	13	68
Over 10 and up to 20	34	196	323	310	863
" 20 " " " 40	2,881	5,958	4,597	2,563	15,999
" 40 " " " 55	3,167	3,120	1,366	840	8,493
Over 55	249	94	5	3	351
Total	6,338	9,389	6,318	3,729	25,774
<u>CRAWLER OR TRACK</u>					
Under 10	52	155	50	3	260
10 and under 35	113	308	200	820	1,441
35 " " 45	119	359	230	332	1,040
45 " " 61	28	92	70	44	234
61 and over	31	93	50	42	216
Total	343	1,007	600	1,241	3,191
TOTAL TRACTORS ON RURAL HOLDINGS	6,681	10,396	6,918	4,970	28,965

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C. CLASSIFIED BY TYPE OF FUEL USED AND APPROXIMATE AGE IN YEARS

Type and Fuel Used	Approximate Age of Tractor - Years				Total
	0 - 4	5 - 9	10-14	15 & Over	
<u>WHEELED</u>					
Kerosene	644	4,395	4,659	3,284	12,982
Petrol	970	1,591	373	75	3,009
Diesel or Crude Oil	4,724	3,403	1,286	370	9,783
Total	6,338	9,389	6,318	3,729	25,774
<u>CRAWLER OR TRACK</u>					
Kerosene	20	73	103	767	963
Petrol	53	176	57	37	323
Diesel or Crude Oil	270	758	440	437	1,905
Total	343	1,007	600	1,241	3,191
TOTAL TRACTORS ON RURAL HOLDINGS	6,681	10,396	6,918	4,970	28,965

TABLE 4. - TRACTORS ON RURAL HOLDINGS : STATISTICAL DIVISIONS, SOUTH AUSTRALIA,
MARCH 1960

A. CLASSIFIED BY FUEL USED

Type and Fuel Used	Statistical Divisions							State
	Central	Lower North	Upper North	South Eastern	Western	Murray Mallee	Outside of Counties	
<u>WHEELED</u>								
Kerosene	4,840	2,054	506	1,885	1,254	2,413	30	12,982
Petrol	1,617	131	68	382	65	723	23	3,009
Diesel or Crude Oil	2,666	1,552	502	1,201	2,224	1,621	17	9,783
Total	9,123	3,737	1,076	3,468	3,543	4,757	70	25,774
<u>CRAWLER OR TRACK</u>								
Kerosene	390	97	63	95	188	119	11	963
Petrol	284	11	10	5	2	11	-	323
Diesel or Crude Oil	511	176	91	396	488	194	49	1,905
Total	1,185	284	164	496	678	324	60	3,191
TOTAL TRACTORS ON RURAL HOLDINGS	10,308	4,021	1,240	3,964	4,221	5,081	130	28,965

B. CLASSIFIED BY HORSEPOWER

Type and Horsepower	Statistical Divisions							State
	Central	Lower North	Upper North	South Eastern	Western	Murray Mallee	Outside of Counties	
<u>WHEELED</u>								
Up to 10	39	2	7	1	2	17	-	68
Over 10 and up to 20	500	49	5	116	10	182	1	863
" 20 " " " 40	6,270	1,693	669	2,473	1,736	3,101	57	15,999
" 40 " " " 55	2,232	1,885	388	857	1,725	1,394	12	8,493
Over 55	82	108	7	21	70	63	-	351
Total	9,123	3,737	1,076	3,468	3,543	4,757	70	25,774
<u>CRAWLER OR TRACK</u>								
Under 10	237	11	6	1	-	5	-	260
10 and under 35	561	148	86	146	329	142	29	1,441
35 " " " 45	262	100	54	200	287	121	16	1,040
45 " " " 61	66	16	8	67	35	32	10	234
61 and over	59	9	10	82	27	24	5	216
Total	1,185	284	164	496	678	324	60	3,191
TOTAL TRACTORS ON RURAL HOLDINGS	10,308	4,021	1,240	3,964	4,221	5,081	130	28,965

C. CLASSIFIED BY APPROXIMATE AGE IN YEARS

Type and Approximate Age (Years)	Statistical Divisions							State
	Central	Lower North	Upper North	South Eastern	Western	Murray Mallee	Outside of Counties	
<u>WHEELED</u>								
0 to 4	2,283	853	213	875	952	1,137	25	6,338
5 " 9	3,313	1,311	409	1,348	1,273	1,705	30	9,389
10 " 14	2,141	929	256	800	953	1,228	11	6,318
15 and over	1,386	644	198	445	365	687	4	3,729
Total	9,123	3,737	1,076	3,468	3,543	4,757	70	25,774
<u>CRAWLER OR TRACK</u>								
0 to 4	146	25	14	53	64	30	11	343
5 " 9	396	82	42	168	216	83	20	1,007
10 " 14	226	42	26	107	119	63	17	600
15 and over	417	135	82	168	279	148	12	1,241
Total	1,185	284	164	496	678	324	60	3,191
TOTAL TRACTORS ON RURAL HOLDINGS	10,308	4,021	1,240	3,964	4,221	5,081	130	28,965

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